

Figure 1A

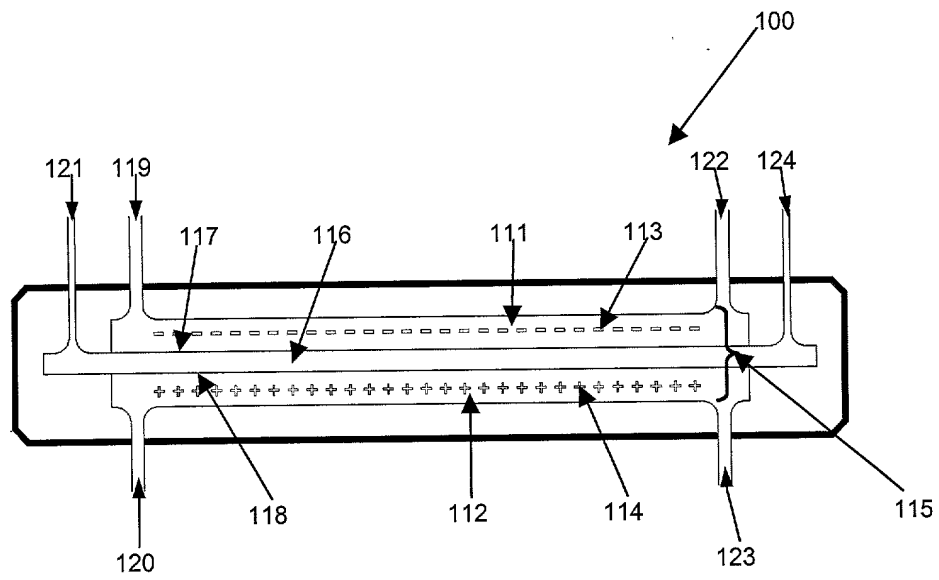


Figure 1B

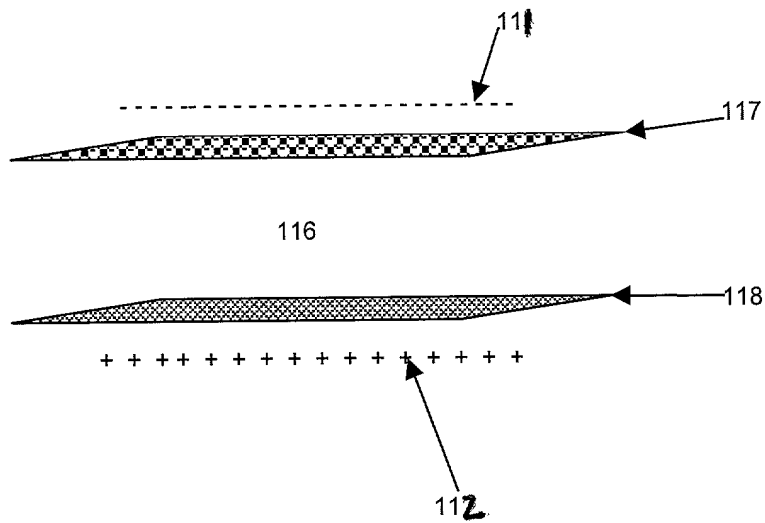


Figure 2A

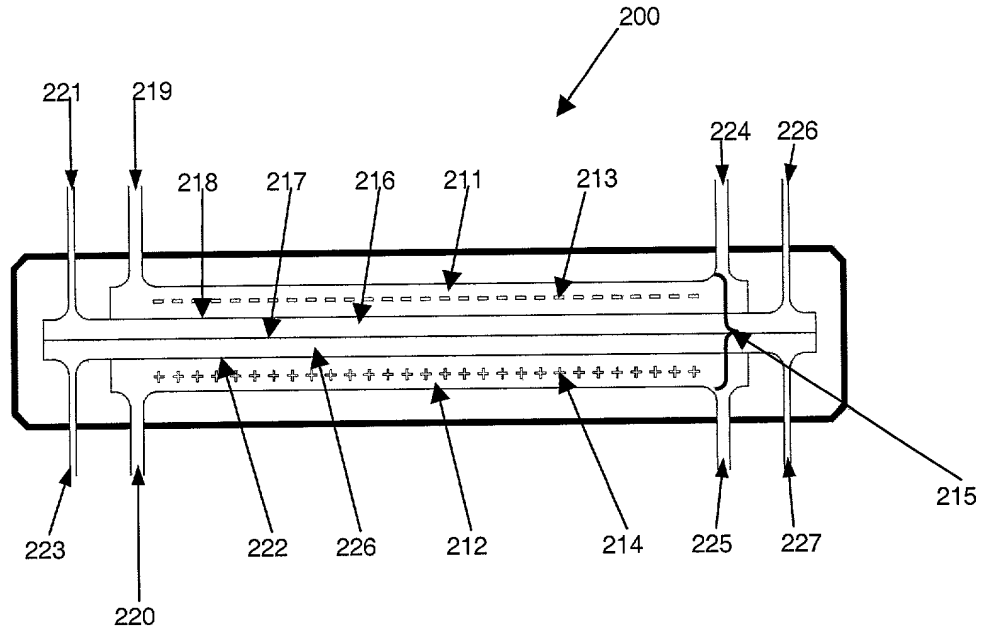


Figure 2B

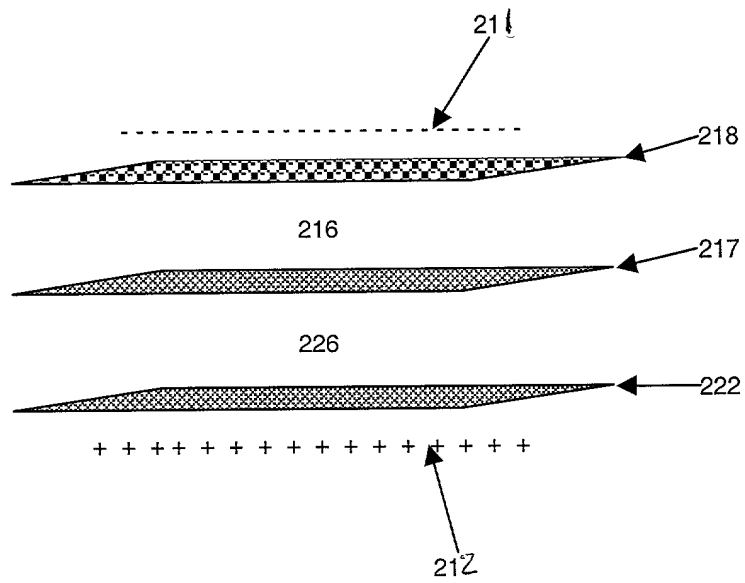


Figure 3A

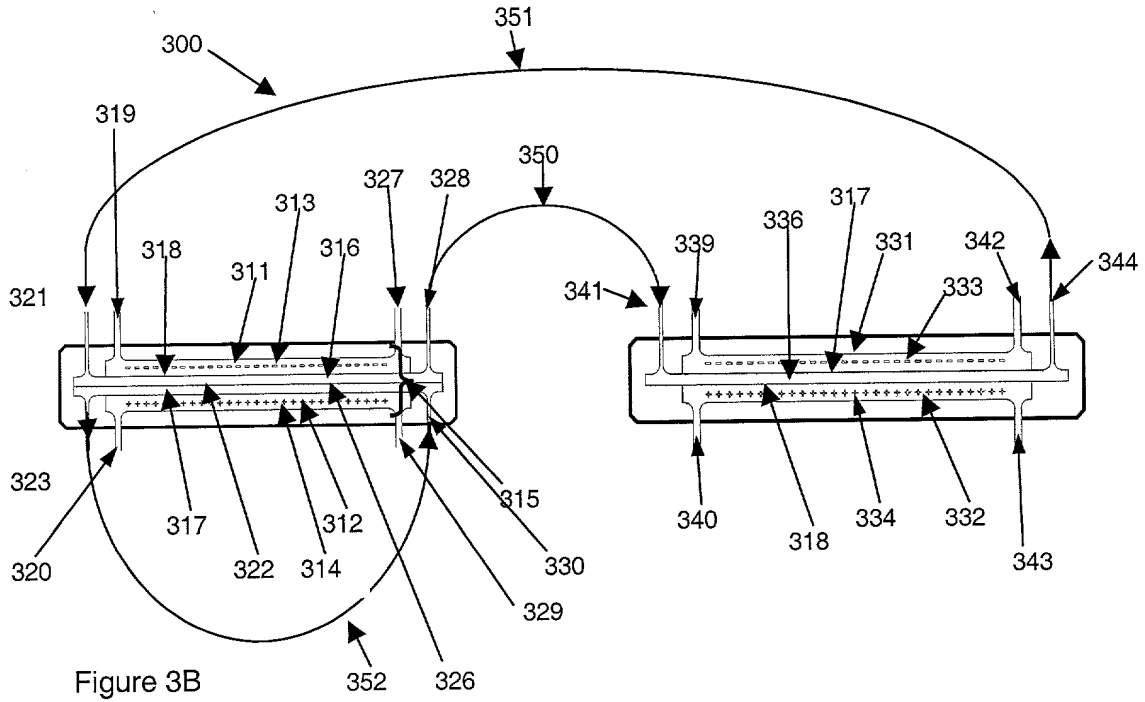


Figure 3B

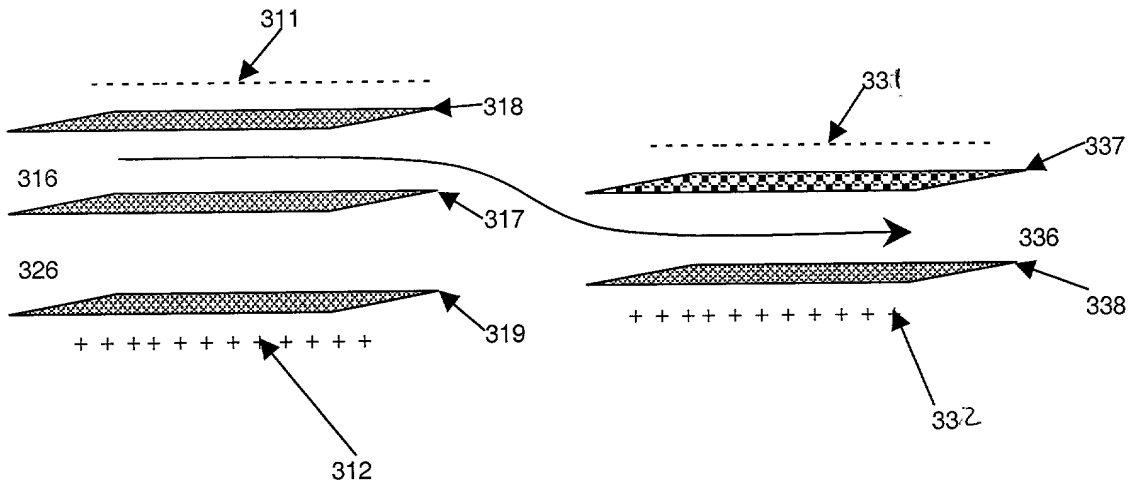
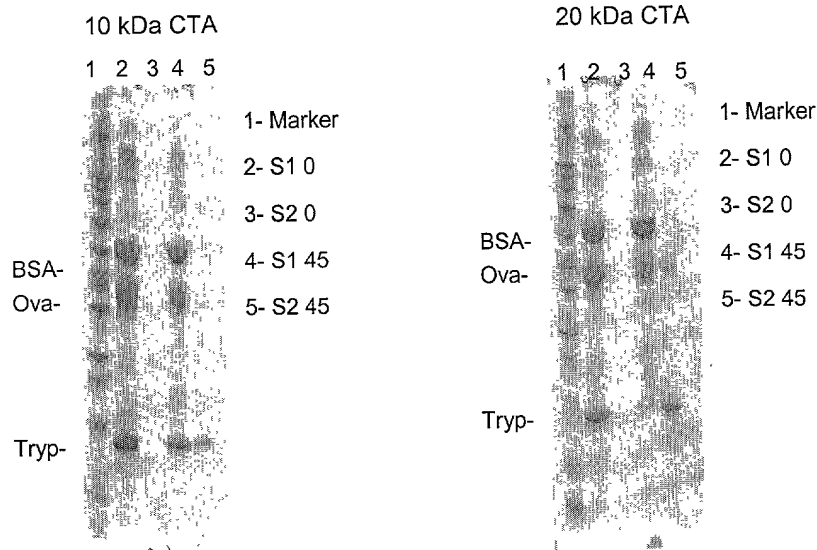


Figure 4



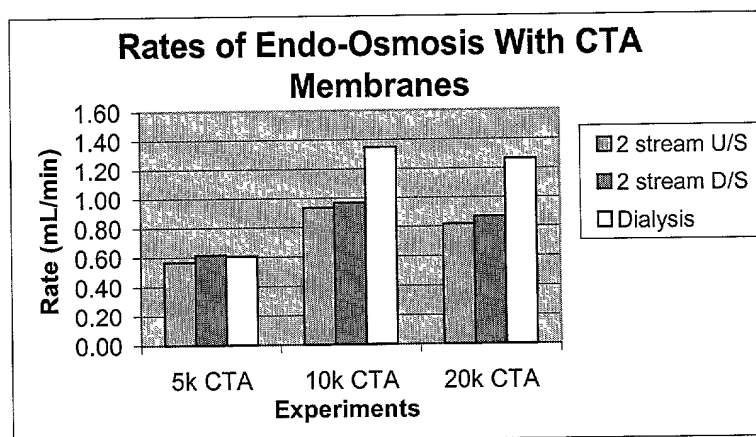


Figure 5

Figure 6

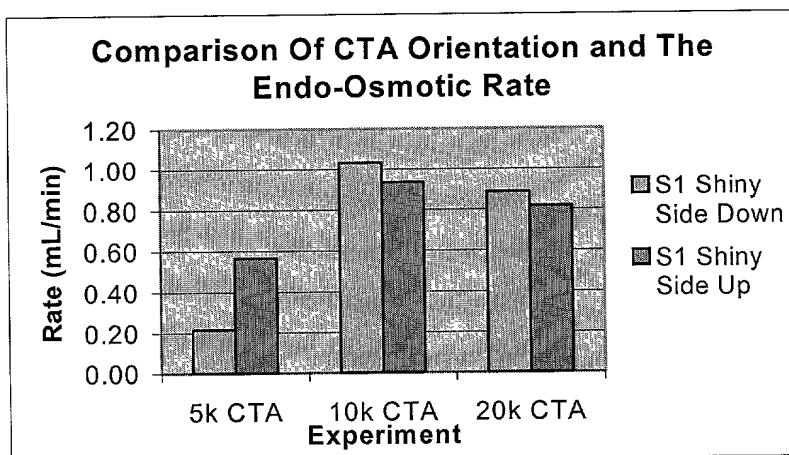


Figure 7

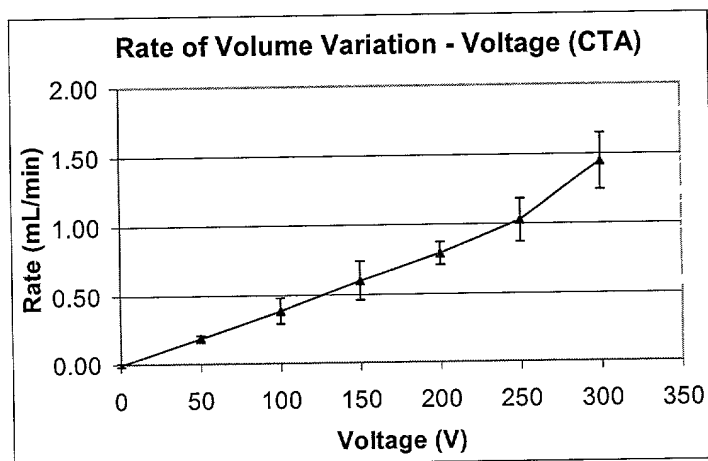


Figure 8

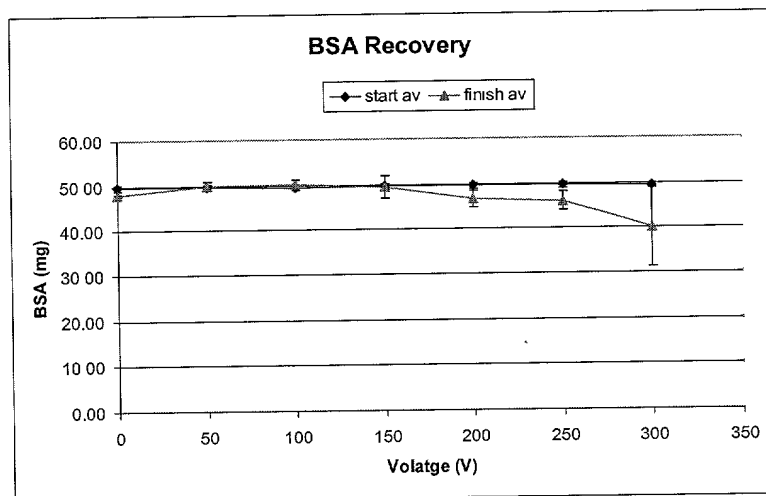


Figure 9

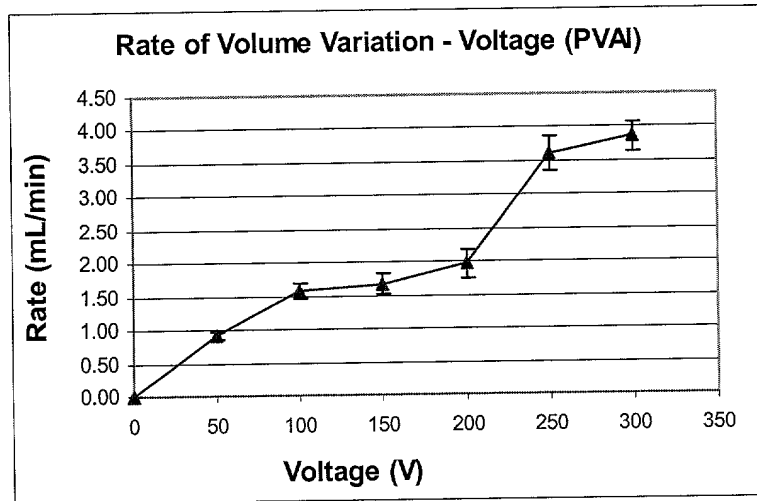
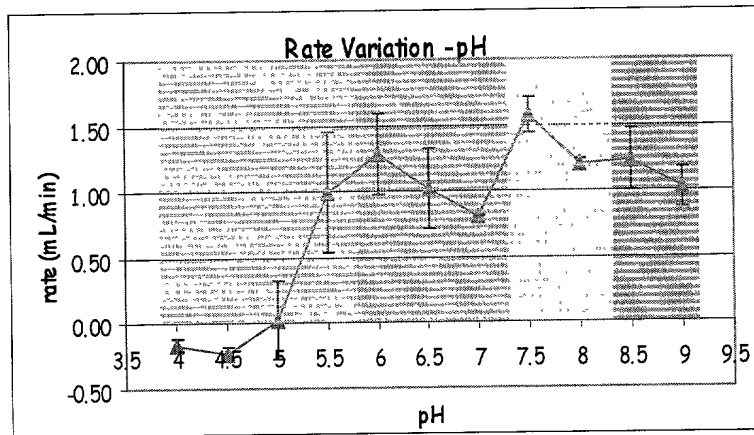


Figure 10



Buffer Used

acetic acid/GABA

HEPES/imidazole

Figure 11

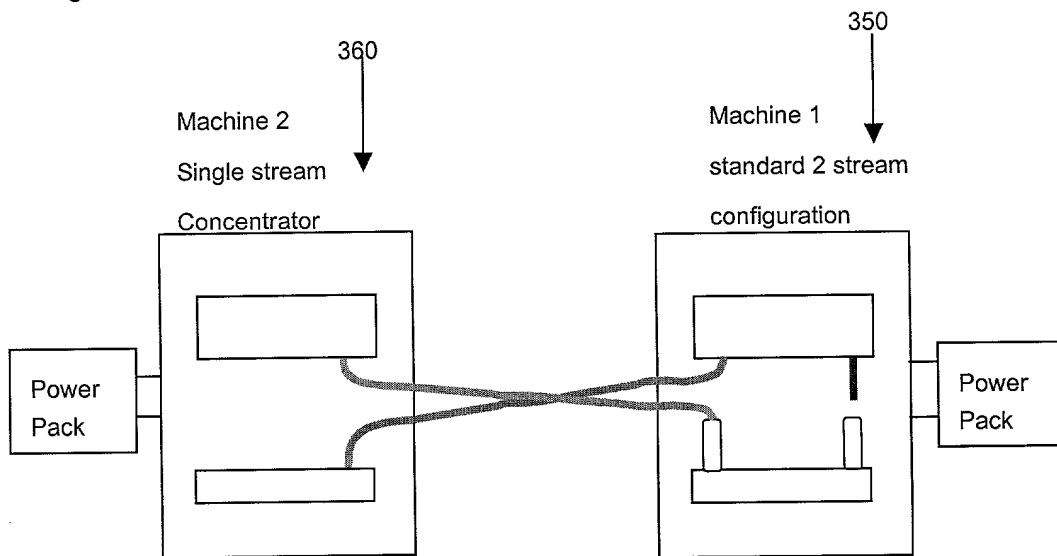


Figure 12

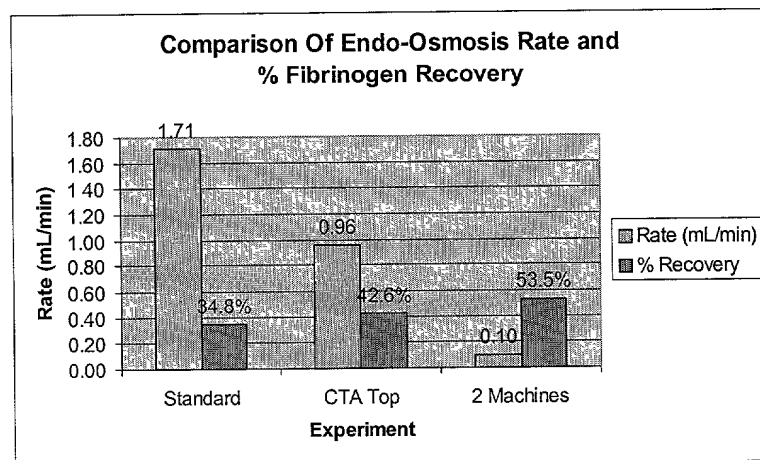


Figure 13

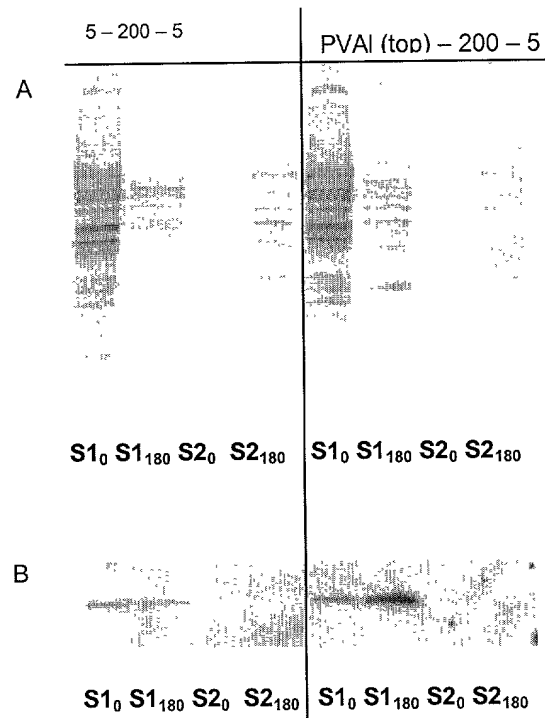
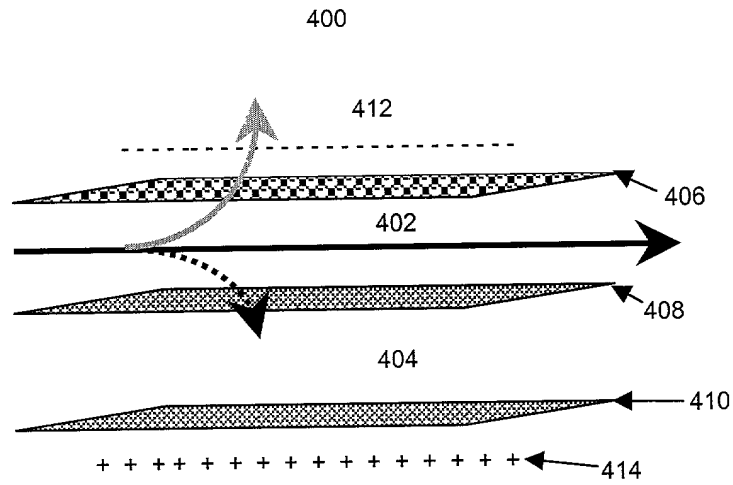


Figure 14



Legend:

→ feed stream

.....→ Contaminants

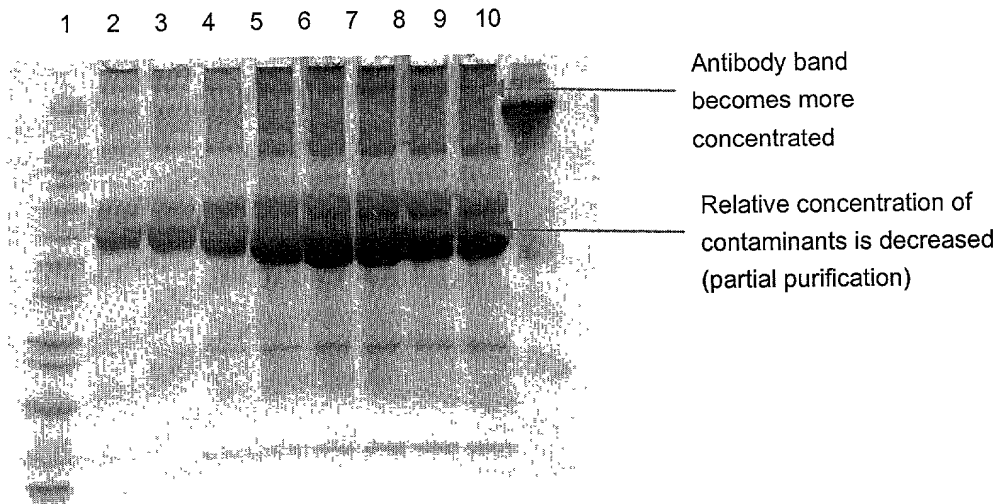
→ Excess water

- - - → Purified product

Endo-osmotic
membrane

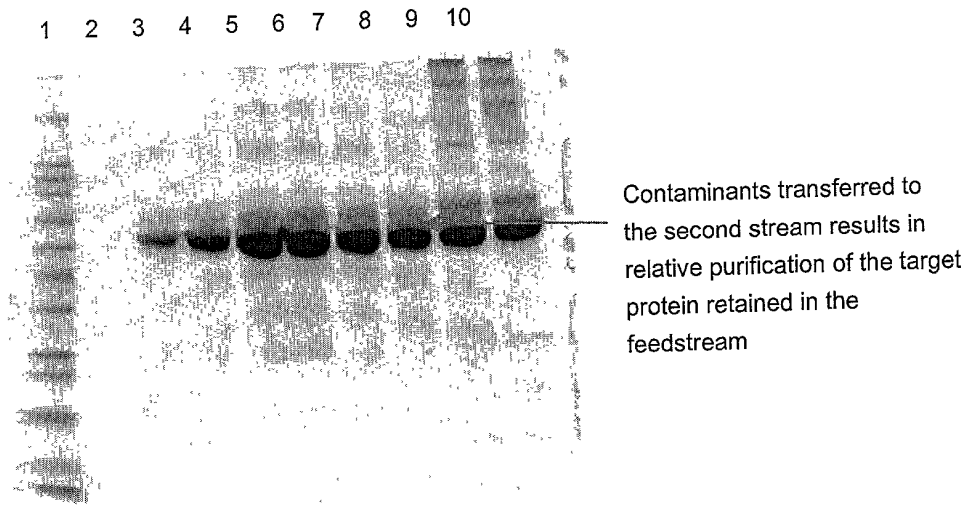
normal membrane

Figure 15



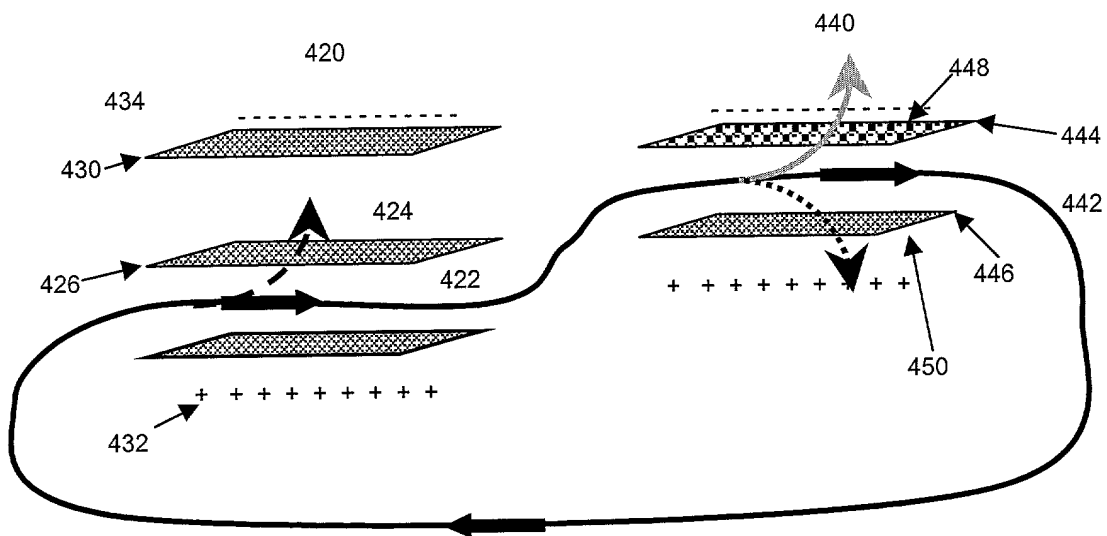
- | | |
|----|-------------------|
| 1 | MW Markers |
| 2 | Feedstream 0min |
| 3 | Feedstream 30min |
| 4 | Feedstream 60min |
| 5 | Feedstream 90min |
| 6 | Feedstream 120min |
| 7 | Feedstream 150min |
| 8 | Feedstream 180min |
| 9 | Feedstream 180min |
| 10 | IgG standard |

Figure 16



- 1 MA Marker
- 2 Contaminant stream 0min
- 3 Contaminant stream 30min
- 4 Contaminant stream 60min
- 5 Contaminant stream 90min
- 6 Contaminant stream 120min
- 7 Contaminant stream 150min
- 8 Contaminant stream 180min
- 9 Tissue culture medium without IgG
- 10 Tissue culture medium with IgG (equivalent to Feedstream 0min)

Figure 17



Legend:

→ feed stream

.....→ Contaminants

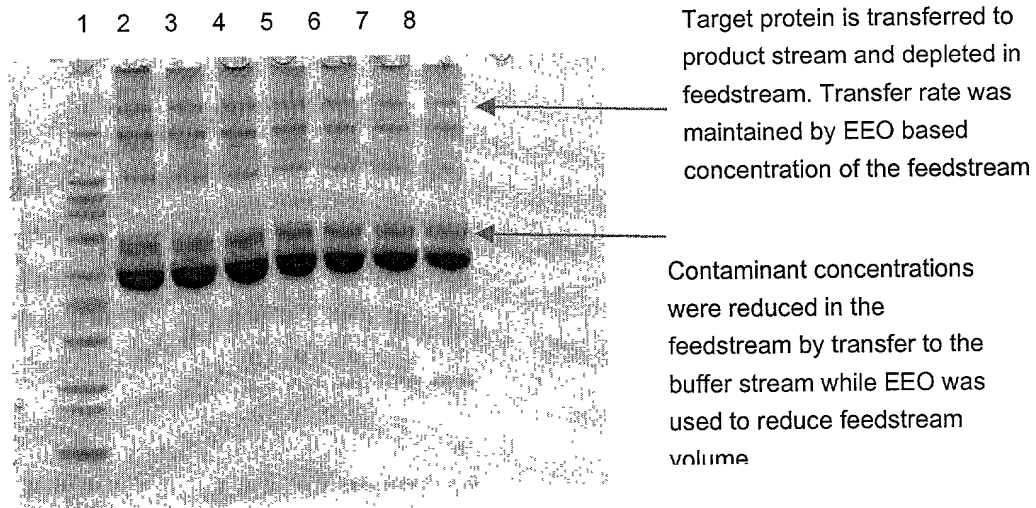
---→ Excess water

---→ Purified product

Endo-osmotic
membrane

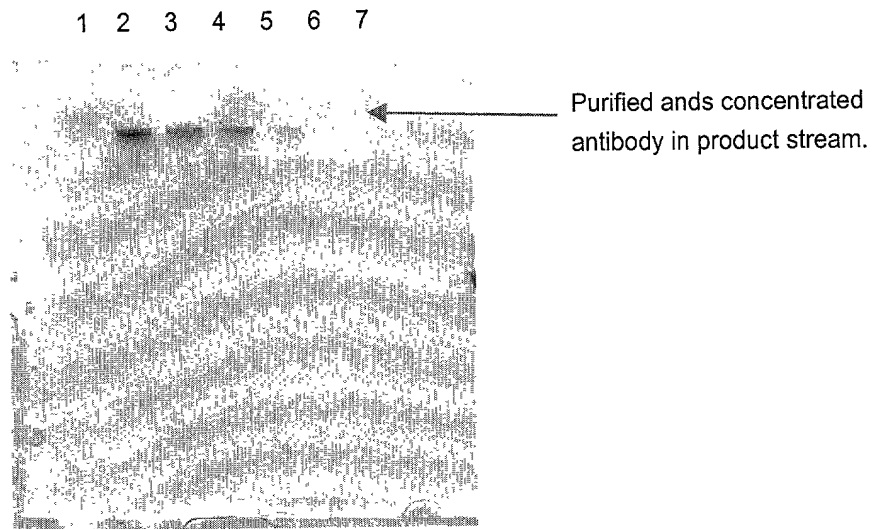
normal membrane

Figure 18



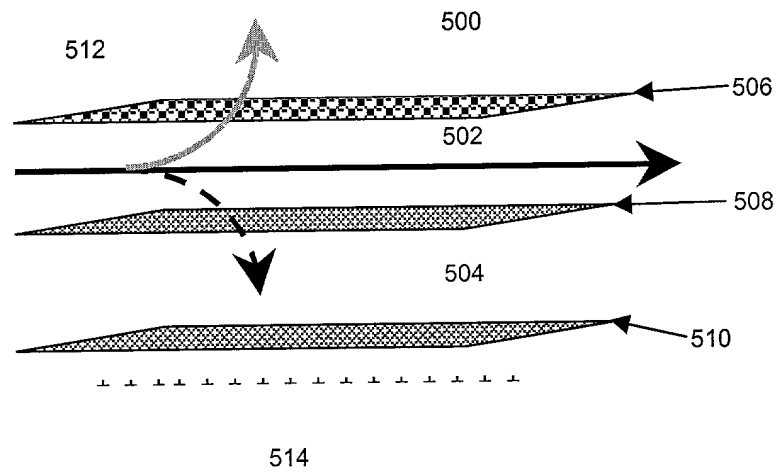
- | | |
|---|-------------------|
| 1 | Marker |
| 2 | Feedstream 0min |
| 3 | Feedstream 30min |
| 4 | Feedstream 60min |
| 5 | Feedstream 90min |
| 6 | Feedstream 120min |
| 7 | Feedstream 150min |
| 8 | Feedstream 180min |

Figure 19



- | | |
|---|-----------------------|
| 1 | Product stream 0min |
| 2 | Product stream 30min |
| 3 | Product stream 60min |
| 4 | Product stream 90min |
| 5 | Product stream 120min |
| 6 | Product stream 150min |
| 7 | Product stream 180min |

Figure 20



Legend:

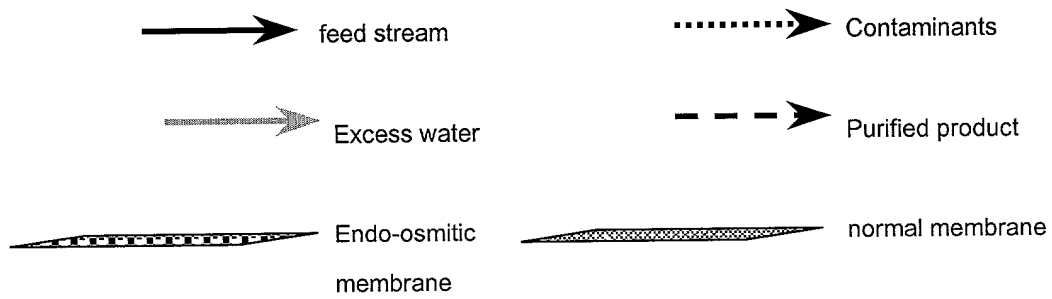
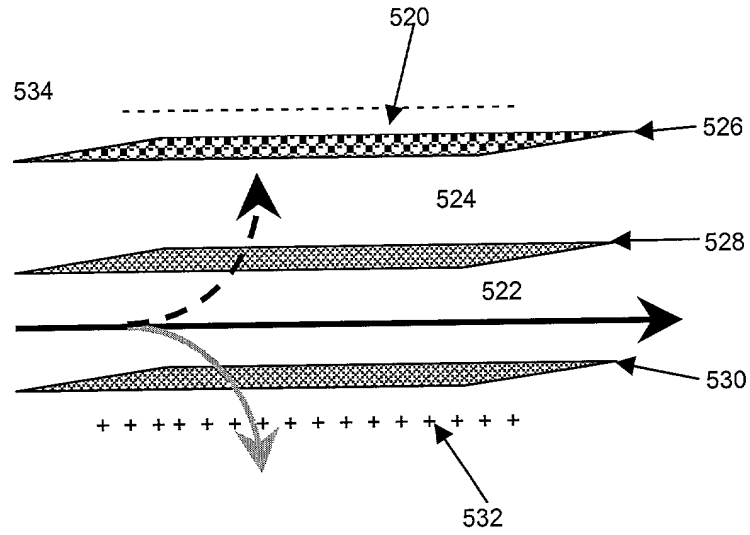


Figure 21



Legend:

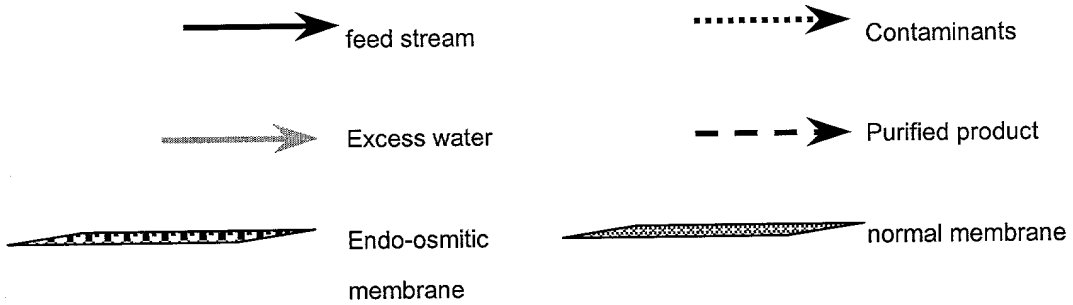
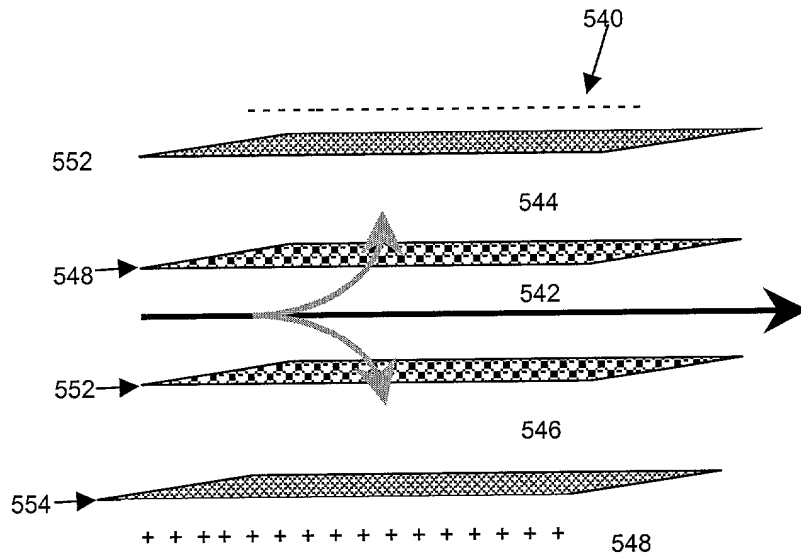


Figure 22



Legend:

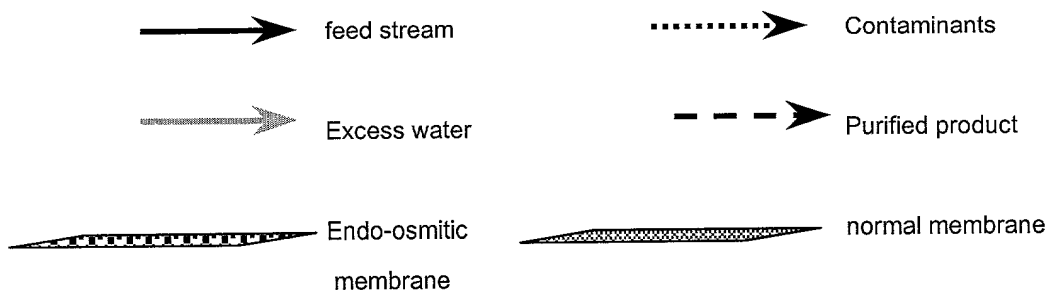
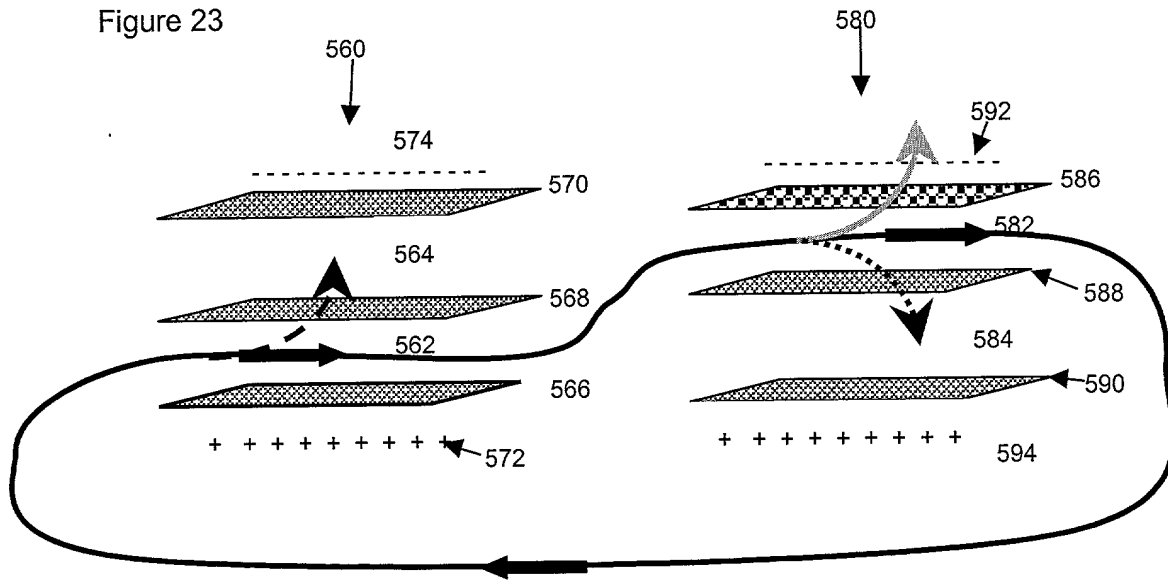


Figure 23



Legend:

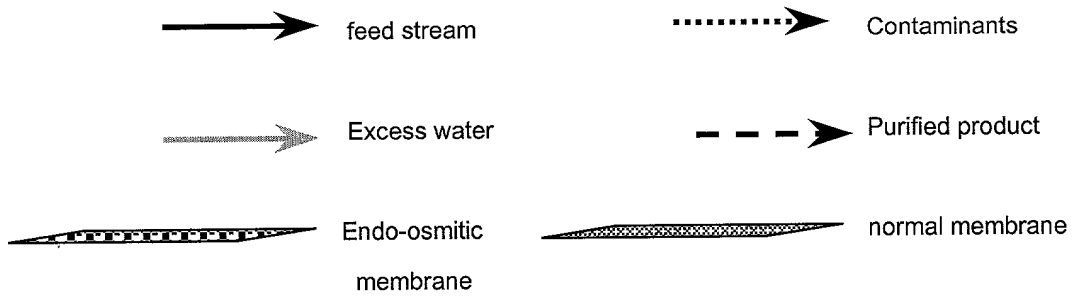
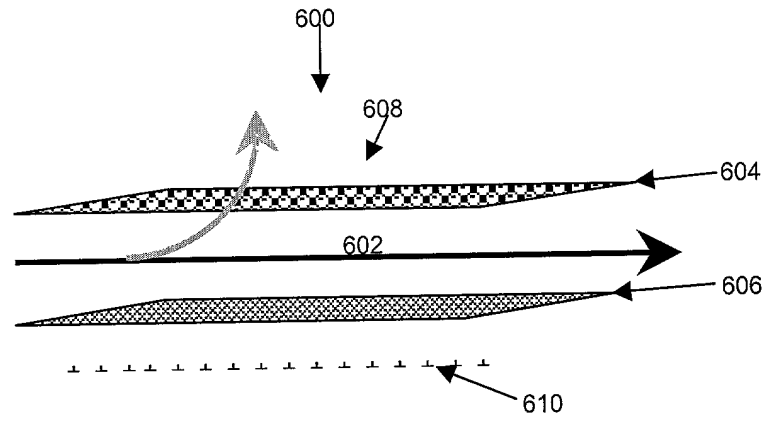


Figure 24



Legend:

